

CURRICULUM VITE OF PHẠM DUY TÂN

PERSONAL DETAILS

Date of birth	dd-mm-1990
Sex	Male
Mobile	TBD
Email	TBD

EDUCATION BACKGROUND

University	Ho Chi Minh City University of Technology
Faculty	Computer Science and Engineering
Department	Computer Engineering
GPA	8.04/10
Time	2008-2013

WORKING EXPERIENCES & PROJECTS

October 2014 - Present	FPT Software - Software developer	Join many projects in many kind: performance bench-marking, IoT and smart embedded device, smart glass, processing and display medical images, video streaming with MPRTTP, quality inspection, UAV drone... Skills: Java, C#, C, C++, Python, Qt, ML, AI...
August 2012 – August 2014	VNG Corporation - C++ Software engineer	Design and implement in-house big data analysis tools from scratch. Skills: C++11, NoSQL (Redis), MySQL File server to handle up to thousands concurrent connections. Skills: C++11, concurrency, async IO.
2008-2013	HCMUT - Student	P2P file sharing system (with a tracking server), written in Java Design a MCU using VHDL and DE2 board. This MCU has ALU, branching, Memory mapped IO... And write an assembler for this MCU (using C) Design a SoC on NetFPGA board using VHDL, port Linux and NIDS onto this system.

KEY SKILLS

Hardware & Embedded System	<ul style="list-style-type: none">• Good knowledge about computer hardware and computer architecture• Knew VHDL for design simple chip to fully function SoC chip on FPGA.• Knew many communication protocol : UART, I2C, SPI, DMA, PWM...• Worked with many embedded systems at university, programmed in assembly for 8051, AVR, MIPS, PIC, x86, x86_64
Programming	<ul style="list-style-type: none">• Good programming skill: analysis, design, implementation, testing and algorithms.• Good at C++ for application programming, focus on C++11/C++14/C++17 and Boost framework. Familiar with C, Java, Visual Basic, C# too.• Worked with git, svn version control system.• Worked with jenkins, make, cmake, GNU autotools for auto build.• Experience with parallel and concurrent programming: asynchronous, multi-threaded, multi process, event-based, MPI, map-reduce...• Experience in NoSQL, DBMS, high performance computing.• Use assembly and C for system programming (include embedded system). I studied C++ in embedded system too.• Good at sh/bash shell, Python, awk programming and regular expression.
Linux & Open Source Software	<ul style="list-style-type: none">• Have been using Linux as main and only OS since 2008.• Current distro: Arch Linux (since 2010)• Good knowledge about free and open source world: culture, license, contributing.
Language	<ul style="list-style-type: none">• English: intermediate. Especially good at reading technical documents.• Vietnam: native language
Others	<ul style="list-style-type: none">• Sense of responsibility, carefulness in all the works done• Open-minded, get on easily with all other idea.• Good at self-study and learning new technology/knowledge.• Hard working, can spend hours or days on research and study.• Good presentation skill.• Effective teamwork.

ACTIVITIES

- Studying security: computer virus, reverse engineering, buffer overflow, exploit...
- Studying high performance and concurrency computing.
- Studying modern programming languages: C++11, C++14, C++17, Haskell, Rust
- Studying machine learning and artificial-intelligence
- Supported on irc.freenode.net: #ubuntu-vn, #archlinuxvn, ##linux, ##c++, ##c, #bash...
- Coding on spoj.com, codewars.com for fun.